ArthroCare® ENT

Output test using an Electrosurgical Analyzer

The Coblator II power output (Watts RMS) can also be verified by using an Electrosurgical Analyzer (i.e. Dynatech 454).

WARNING: THIS OUTPUT TEST PROCEDURE MUST BE FOLLOWED AS STATED USING ONLY THE ELECTRONIC EQUIPMENT LISTED IN THIS PROCEDURE. EXTREME CAUTION SHOULD BE TAKEN, AS LETHAL HIGH VOLTAGE IS PRESENT DURING THIS TEST. ONLY QUALIFIED SERVICE ENGINEER/TECHNICIAN SHOULD PERFORM THIS TEST. ANY DEVIATION FROM THIS PROCEDURE OR FAILURE TO COMPLY WITH THE CONTENTS MAY RESULT IN COMPLICATIONS WITH THE EQUIPMENT, AND/OR SAFETY HAZARDS TO THE USER OR PATIENT. AS WELL AS, THE WARRANTY ON THE INSTRUMENT TO BE VOIDED.

The following equipment is required to perform the power output test on the Coblator II System.

- Electrosurgical Analyzer (Dynatech 454 or equivalent)
- Wand with Patient Cable or adapter cable P/N 33102

Step 1 – Set the Electrosurgical Analyzer to the following parameters:

1. Select Manual mode
2. Select Output generator test
3. Set internal load to 300 ohms

Step 2 - Set up the Coblator II System as stated in the User's Manual. Connect the "Active" input from the ESU to the tip of the Wand and the "Dispersive" or "Return" to the shield of the Wand.

Step 3 - Choose the setpoint (1-9) for either ablation mode or coagulation mode and press the foot pedal. Verify the readings with the table on the following page.

Note: If any of the power level readings are not within the listed specifications, please contact the ArthroCare Customer Service Department immediately.

Power Output for Coblator II Controller

Load = 300 Ohms
Units of measure = RMS watts

Ablation Mode

Setpoint	Range (+/- 20%)	Typical
1	22-32	27
2	32-48	40
3	50-76	63
4	70-106	88
5	96-144	120
6	122-184	153
7	153-231	192
8	192-288	240
9	220-330	275

Load = 300 Ohms
Units of measure = RMS watts

Coagulation Mode

Setpoint	Range (+/- 20%)	Typical
1	9-13	11
2	11-17	14
3	13-19	16
4	14-22	18
5	16-24	20
6	21-31	26
7	22-34	28
8	25-37	31
9	28-42	35